

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L33	4396	"organic" and electrolumines\$5 and phosphores\$4 and host\$1	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:44
S91	4026	"organic" and electrolumines\$5 and phosphores\$4 and host\$1	US-PGPUB; USPAT; DERWENT	OR	ON	2011/03/29 11:23
L9	3601	"organic" and "electroluminescent" and "phosphorescent" and "host"	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:41
L3	3194	"organic" and "electroluminescent" and "phosphorescent" and "host"	US-PGPUB; USPAT	OR	ON	2011/10/04 11:41
L34	2981	"organic" and electrolumines\$5 and phosphores\$5 and "host" and (257/40 313/502 313/503 313/504 313/505 313/506 313/507 313/508 313/509 313/510 313/511 313/512 313/513 428/690 428/917).ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:44
S92	2735	"organic" and electrolumines\$5 and phosphores\$5 and "host" and (257/40 313/502 313/503 313/504 313/505 313/506 313/507 313/508 313/509 313/510 313/511 313/512 313/513 428/690 428/917).ccls.	US-PGPUB; USPAT	OR	ON	2011/03/29 11:23
L44	2337	"organic" and "electroluminescent" and "phosphorescent" and "host" and (428/690 428/917 428/411.1 428/336 313/502 313/503 313/504 313/505 313/506 313/507 313/508 313/509 257/40 257/88 257/104 257/E51 252/301.16 532/1).ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:46

L4	2293	"organic" and "electroluminescent" and "phosphorescent" and "host" and (257/40 313/502 313/503 313/504 313/505 313/506 313/507 313/508 313/509 313/510 313/511 313/512 313/513 428/690 428/917).ccls.	US-PGPUB; USPAT	OR	ON	2011/10/04 11:41
L10	2293	"organic" and "electroluminescent" and "phosphorescent" and "host" and (257/40 313/502 313/503 313/504 313/505 313/506 313/507 313/508 313/509 313/510 313/511 313/512 313/513 428/690 428/917).ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:42
S58	2289	("light-emitting" or "light emitting") same host and electroluminescent	US-PGPUB; USPAT	OR	ON	2009/05/12 15:48
S34	1968	("20090009067" "20090009066" "20090009065" "20090008607" "20090008606" "20090008605" "20090039317" "20090017331" "20090017330" "20080206597" "20080100213" "20090030202" "20070108898" "20070069638" "20070052346" "20070054151" "20070224446" "20070141387" "20060163542" "20050249976" "20070190356" "20070159083" "20070172698" "20070296328" "20070116982" "20070128467" "20070104976" "20070090753" "20080246391" "20070009760" "20070188083" "20060197077" "20070111024" "20060051613" "20060180806"	US-PGPUB; USPAT	OR	ON	2009/05/12 14:00

		"20060251918" "20060141284" "20060257684" "20060035109" "20060049410" "20050158578" "20050127823" "20040191563" "20040086745" "20090072732" "20070224448" "20070275266" "20060257687" "20070075635" "20070003788" "20070120466" "20070104977" "20050244676" "20060024523" "20050227111" "20040229081" "20040214043" "20030054200" "20030077480" "20030044643" "20020098379" "6815090"). pn. or (Chishio Hosokawa). in.				
S13	1959	"organic" and "electroluminescent" and "phosphorescent" and "host"	US-PGPUB; USPAT	OR	ON	2009/04/06 09:59
S14	1403	"organic" and "electroluminescent" and "phosphorescent" and "host" and (257/40 313/502 313/503 313/504 313/505 313/506 313/507 313/508 313/509 313/510 313/511 313/512 313/513 428/690 428/917).ccls.	US-PGPUB; USPAT	OR	ON	2009/04/06 10:01
L40	1106	electrolumines\$5 and ((impurit\$4) same ppm)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:45
L42	1036	electrolumines\$5 and host\$1 same dop\$4 same metal\$1 with complex\$2 and phosphores\$5	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:45
S102	978	electrolumines\$5 and host\$1 same dop\$4 same metal\$1 with complex\$2 and phosphores\$5	US-PGPUB; USPAT; DERWENT	OR	ON	2011/03/29 11:27
S99	964	electrolumines\$5 and ((impurit\$4) same ppm)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/03/29 11:25

L24	951	electroluminescent and host same dopant same complex and phosphorescent	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:43
S68	930	alq same ("electron injection" or "electron injecting" or "electron-injecting")	US-PGPUB; USPAT	OR	ON	2009/05/14 11:12
L47	747	electroluminescent and host same dopant same complex and phosphorescent and (428/690 428/917 428/411.1 428/336 313/502 313/503 313/504 313/505 313/506 313/507 313/508 313/509 257/40 257/88 257/104 257/E51 252/301.16 532/1).ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:47
L35	730	electrolumines\$5 and halogen \$1 same impurit\$3	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:45
L36	730	electrolumines\$5 and halogen \$1 same impurit\$3	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:45
L38	704	electrolumines\$5 and halogen \$1 same impurit\$4 and organic\$1	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:45
L39	704	electrolumines\$5 and halogen \$1 same impurit\$4 and organic\$1	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:45
S94	651	electrolumines\$5 and halogen \$1 same impurit\$3	US-PGPUB; USPAT; DERWENT	OR	ON	2011/03/29 11:24
S93	638	electrolumines\$5 and halogen \$1 same impurit\$3	US-PGPUB; USPAT	OR	ON	2011/03/29 11:24
S43	628	electroluminescent and host same dopant same complex and phosphorescent	US-PGPUB; USPAT	OR	ON	2009/05/12 15:06
S97	625	electrolumines\$5 and halogen \$1 same impurit\$4 and organic\$1	US-PGPUB; USPAT; DERWENT	OR	ON	2011/03/29 11:24
S96	616	electrolumines\$5 and halogen \$1 same impurit\$4 and organic\$1	US-PGPUB; USPAT	OR	ON	2011/03/29 11:24
L15	603	electroluminescent and ((impurities or impurity) same ppm)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:42
L25	593	electroluminescent and host same dopant same "metal complex" and phosphorescent	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:43

L28	520	(host same aromatic same ("light-emitting" or "light emitting")) and electroluminescent	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:44
L12	491	electroluminescent and halogen same impurities	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:42
L6	477	electroluminescent and halogen same impurities	US-PGPUB; USPAT	OR	ON	2011/10/04 11:41
S44	430	electroluminescent and host same dopant same "metal complex" and phosphorescent	US-PGPUB; USPAT	OR	ON	2009/05/12 15:06
L41	411	electrolumines\$5 and ((impurit\$5) same ppm) and halogen\$1 and organic\$1	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:45
L18	376	("organic electroluminescent" or "organic EL") and ((impurities or impurity) same ppm) and halogen	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:42
L30	358	(@pd<"20040301" @ad<"20040302") and electroluminescent and anthracene same host	US-PGPUB; USPAT; DERWENT	OR	OFF	2011/10/04 11:44
L37	347	electrolumines\$5 and halogen same impurities and "organic EL"	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:45
S75	332	(@pd<"20040301" @ad<"20040302") and electroluminescent and anthracene same host	US-PGPUB; USPAT	OR	OFF	2010/10/14 14:12
S22	329	electroluminescent and ((impurities or impurity) same ppm)	US-PGPUB; USPAT	OR	ON	2009/05/12 13:17
S100	310	electrolumines\$5 and ((impurit\$5) same ppm) and halogen\$1 and organic\$1	US-PGPUB; USPAT; DERWENT	OR	ON	2011/03/29 11:25
S95	304	electrolumines\$5 and halogen same impurities and "organic EL"	US-PGPUB; USPAT	OR	ON	2011/03/29 11:24
S19	252	electroluminescent and halogen same impurities	US-PGPUB; USPAT	OR	ON	2009/05/12 11:53
S65	247	(host same aromatic same ("light-emitting" or "light emitting")) and electroluminescent	US-PGPUB; USPAT	OR	ON	2009/05/13 09:13
L16	244	electroluminescent and ((impurities or impurity) same ppm) and halogen	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:42

L17	231	electroluminescent and ((impurities or impurity) same ppm) and halogen and organic	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:42
S25	220	("organic electroluminescent" or "organic EL") and ((impurities or impurity) same ppm) and halogen	US-PGPUB; USPAT	OR	ON	2009/05/12 13:22
L7	198	electroluminescent and halogen same impurities and "organic EL"	US-PGPUB; USPAT	OR	ON	2011/10/04 11:41
L13	198	electroluminescent and halogen same impurities and "organic EL"	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:42
L31	191	(@pd<"20040301" @ad<"20040302") and electroluminescent and anthracene same host and phosphorescent	US-PGPUB; USPAT; DERWENT	OR	OFF	2011/10/04 11:44
S76	187	(@pd<"20040301" @ad<"20040302") and electroluminescent and anthracene same host and phosphorescent	US-PGPUB; USPAT	OR	OFF	2010/10/14 14:12
L48	128	electroluminescent and halogen same impurities and (428/690 428/917 428/411.1 428/336 313/502 313/503 313/504 313/505 313/506 313/507 313/508 313/509 257/40 257/88 257/104 257/E51 252/301.16 532/1).ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:47
S23	107	electroluminescent and ((impurities or impurity) same ppm) and halogen	US-PGPUB; USPAT	OR	ON	2009/05/12 13:20
L45	106	electroluminescent and halogen same impurities and (428/690 428/917 428/411.1 428/336 313/502 313/503 313/504 313/505 313/506 313/507 313/508 313/509 257/40 257/88 257/104 257/E51 252/301.16 532/1).ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:46
S24	101	electroluminescent and ((impurities or impurity) same ppm) and halogen and organic	US-PGPUB; USPAT	OR	ON	2009/05/12 13:21
L32	99	(@pd<"20040301" @ad<"20040302") and electroluminescent and host same pyridine	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:44

S84	99	(@pd<"20040301" @ad<"20040302") and electrolumines\$5 and host same pyridine\$5	US-PGPUB; USPAT; DERWENT	OR	ON	2011/03/28 13:02
L46	93	electroluminescent and ((impurities or impurity) same ppm) and (428/690 428/917 428/411.1 428/336 313/502 313/503 313/504 313/505 313/506 313/507 313/508 313/509 257/40 257/88 257/104 257/E51 252/301.16 532/1).ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:47
S20	92	electroluminescent and halogen same impurities and "organic EL"	US-PGPUB; USPAT	OR	ON	2009/05/12 11:53
L26	76	("host material") same trivalent and electroluminescent	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:43
S35	66	("20090009067" "20090009066" "20090009065" "20090008607" "20090008606" "20090008605" "20090039317" "20090017331" "20090017330" "20080206597" "20080100213" "20090030202" "20070108898" "20070069638" "20070052346" "20070054151" "20070224446" "20070141387" "20060163542" "20050249976" "20070190356" "20070159083" "20070172698" "20070296328" "20070116982" "20070128467" "20070104976" "20070090753" "20080246391" "20070009760" "20070188083" "20060197077" "20070111024" "20060051613" "20060180806" "20060251918" "20060141284"	US-PGPUB; USPAT	OR	ON	2009/05/12 14:00

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L23	63	electroluminescent and host same dopant same chelate	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:43
S32	62	("20090009067" "20090009066" "20090009065" "20090008607" "20090008606" "20090008605" "20090039317" "20090017331" "20090017330" "20080206597" "20080100213" "20090030202" "20070108898" "20070069638" "20070052346" "20070054151" "20070224446" "20070141387" "20060163542" "20050249976" "20070190356" "20070159083" "20070172698" "20070296328" "20070116982"	US-PGPUB; USPAT	OR	ON	2009/05/12 13:59



		"20070128467" "20070104976" "20070090753" "20080246391" "20070009760" "20070188083" "20060197077" "20070111024" "20060051613" "20060180806" "20060251918" "20060141284" "20060257684" "20060035109" "20060049410" "20050158578" "20050127823" "20040191563" "20040086745" "20090072732" "20070224448" "20070275266" "20060257687" "20070075635" "20070003788" "20070120466" "20070104977" "20050244676" "20060024523" "20050227111" "20040229081" "20040214043" "20030054200" "20030077480" "20030044643" "20020098379" "6815090"). pn.				
S36	62	("20090009067" "20090009066" "20090009065" "20090008607" "20090008606" "20090008605" "20090039317" "20090017331" "20090017330" "20080206597" "20080100213" "20090030202" "20070108898" "20070069638" "20070052346" "20070054151" "20070224446" "20070141387" "20060163542" "20050249976"	US-PGPUB; USPAT	OR	ON	2009/05/12 14:00

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S63	55	("host material") same trivalent and electroluminescent	US-PGPUB; USPAT	OR	ON	2009/05/13 09:07
S56	51	"Begley".in. and host	US-PGPUB; USPAT	OR	ON	2009/05/12 15:44
S42	50	electroluminescent and host same dopant same chelate	US-PGPUB; USPAT	OR	ON	2009/05/12 15:05

L20	43	("organic electroluminescent" or "organic EL") and ((("impurities" or impurity) same ppm) and ("quenching" or "quencher"))	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:43
S101	43	(organic with electroluminescence) and ((impurity) same ppm) and (quench)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/03/29 11:26
L27	41	(host same trivalent same ("light-emitting" or "light emitting")) and electroluminescent	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:44
S33	40	("20090009067" "20090009066" "20090009065" "20090008607" "20090008606" "20090008605" "20090039317" "20090017331" "20090017330" "20080206597" "20080100213" "20090030202" "20070108898" "20070069638" "20070052346" "20070054151" "20070224446" "20070141387" "20060163542" "20050249976" "20070190356" "20070159083" "20070172698" "20070296328" "20070116982" "20070128467" "20070104976" "20070090753" "20080246391" "20070009760" "20070188083" "20060197077" "20070111024" "20060051613" "20060180806" "20060251918" "20060141284" "20060257684" "20060035109" "20060049410" "20050158578" "20050127823" "20040191563" "20040086745"	US-PGPUB; USPAT	OR	ON	2009/05/12 13:59

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S85	40	(@pd< "20040301" @ad< "20040302") and electrolumines\$5 and host same pyridine\$5 and ((guest dopant) same phosphorescent)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/03/28 13:03
S57	38	"Begley".in. and host and electroluminescent	US-PGPUB; USPAT	OR	ON	2009/05/12 15:44
S98	31	electrolumines\$5 and halogen \$1 same impurities same ppm	US-PGPUB; USPAT; DERWENT	OR	ON	2011/03/29 11:25
L14	28	electroluminescent and halogen same impurities same ppm	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:42
S27	26	("organic electroluminescent" or "organic EL") and (("impurities" or impurity) same ppm) and ("quenching" or "quencher")	US-PGPUB; USPAT	OR	ON	2009/05/12 13:28
S48	23	"514167"	US-PGPUB; USPAT; DERWENT	OR	ON	2009/05/12 15:39
L8	22	electroluminescent and halogen same impurities same ppm	US-PGPUB; USPAT	OR	ON	2011/10/04 11:41
L22	21	("organic electroluminescent" or "organic EL" or electroluminescent) and (("impurities" or impurity) same ppm same ("bromine" or chlorine or flourine))	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:43
S64	19	(host same trivalent same ("light-emitting" or "light emitting")) and electroluminescent	US-PGPUB; USPAT	OR	ON	2009/05/13 09:08

L21	18	("organic electroluminescent" or "organic EL") and ((("impurities" or impurity) same ppm same ("bromine" or chlorine or flourine))	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:43
L19	15	("organic electroluminescent" or "organic EL") and ((("impurities" or impurity) same ppm) same chlorine	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:43
S29	15	("organic electroluminescent" or "organic EL" or electroluminescent) and ((("impurities" or impurity) same ppm same ("bromine" or chlorine or flourine))	US-PGPUB; USPAT	OR	ON	2009/05/12 13:34
S21	14	electroluminescent and halogen same impurities same ppm	US-PGPUB; USPAT	OR	ON	2009/05/12 11:54
S10	13	("10588773" or "11480465" or "11480463" or "10527530" or "10567903" or "10574179" or "10575092" or "10588233" or "10588786" or "10588549" or "11498071" or "11512110" or "11480919")	US-PGPUB; USPAT	OR	ON	2009/04/02 16:03
S28	13	("organic electroluminescent" or "organic EL") and ((("impurities" or impurity) same ppm same ("bromine" or chlorine or flourine))	US-PGPUB; USPAT	OR	ON	2009/05/12 13:30
S9	12	("10588773" or "11480465" or "10527530" or "10567903" or "10574179" or "10575092" or "10588233" or "10588786" or "10588549" or "11498071" or "11512110" or "11480919")	US-PGPUB; USPAT	OR	ON	2009/04/02 16:02
S60	12	higashi.in. and electroluminescent and halogen	US-PGPUB; USPAT	OR	ON	2009/05/12 15:55
S26	11	("organic electroluminescent" or "organic EL") and ((("impurities" or impurity) same ppm) same chlorine	US-PGPUB; USPAT	OR	ON	2009/05/12 13:25
L11	6	electroluminescent and halogen same impurities same host	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:42
L5	5	electroluminescent and halogen same impurities same host	US-PGPUB; USPAT	OR	ON	2011/10/04 11:41

S18	5	electroluminescent and halogen same impurities same host	US-PGPUB; USPAT	OR	ON	2009/05/12 11:53
S38	5	(("20090009067" "20090009066" "20090009065" "20090008607" "20090008606" "20090008605" "20090039317" "20090017331" "20090017330" "20080206597" "20080100213" "20090030202" "20070108898" "20070069638" "20070052346" "20070054151" "20070224446" "20070141387" "20060163542" "20050249976" "20070190356" "20070159083" "20070172698" "20070296328" "20070116982" "20070128467" "20070104976" "20070090753" "20080246391" "20070009760" "20070188083" "20060197077" "20070111024" "20060051613" "20060180806" "20060251918" "20060141284" "20060257684" "20060035109" "20060049410" "20050158578" "20050127823" "20040191563" "20040086745" "20090072732" "20070224448" "20070275266" "20060257687" "20070075635" "20070003788" "20070120466" "20070104977" "20050244676" "20060024523"	US-PGPUB; USPAT	OR	ON	2009/05/12 14:02

		"20050227111" "20040229081" "20040214043" "20030054200" "20030077480" "20030044643" "20020098379" "6815090"). pn. or (Chishio Hosokawa). in.) and electroluminescent and ("impurities" or impurity) same ppm)				
S49	4	"514167".pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2009/05/12 15:39
S81	3	"2003157366"	US-PGPUB; USPAT	OR	OFF	2010/10/14 14:28
S47	2	"4768292".pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2009/05/12 15:38
S50	2	"5141671".pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2009/05/12 15:39
S61	2	electroluminescent and impurities and "halide- containing"	US-PGPUB; USPAT	OR	ON	2009/05/12 16:19
S86	2	"20040086745"	US-PGPUB; USPAT; DERWENT	OR	ON	2011/03/28 13:10
L2	1	"10588773"	US-PGPUB; USPAT	OR	OFF	2011/10/04 11:25
L43	1	"10588773"	US-PGPUB; USPAT; DERWENT	OR	ON	2011/10/04 11:46
S1	1	"2002175885"	JPO	OR	ON	2009/04/02 15:40
S2	1	"2002175885"	DERWENT	OR	ON	2009/04/02 15:40
S3	1	"2002373786".pn.	JPO	OR	ON	2009/04/02 15:41
S4	1	"2002373786".pn.	DERWENT	OR	ON	2009/04/02 15:41
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		"20030054200" "20030077480" "20030044643" "20020098379" "6815090"). pn. or (Chishio Hosokawa). in.) and electroluminescent and ("impurities" or impurity) same (bromine or chlorine or flourine) same ppm)				
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S46	1	"9855561".pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2009/05/12 15:28
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S66	1	"6479172".pn.	US-PGPUB; USPAT	OR	ON	2009/05/13 16:19
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S79	1	"12755240"	US-PGPUB; USPAT	OR	OFF	2010/10/14 14:26
S82	1	"10588773"	US-PGPUB; USPAT	OR	OFF	2011/02/22 09:38
S83	1	"10588773"	US-PGPUB; USPAT	OR	OFF	2011/03/28 13:02
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## **EAST Search History (I nterference)**

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**10/ 4/ 2011 11:47:33 AM**

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